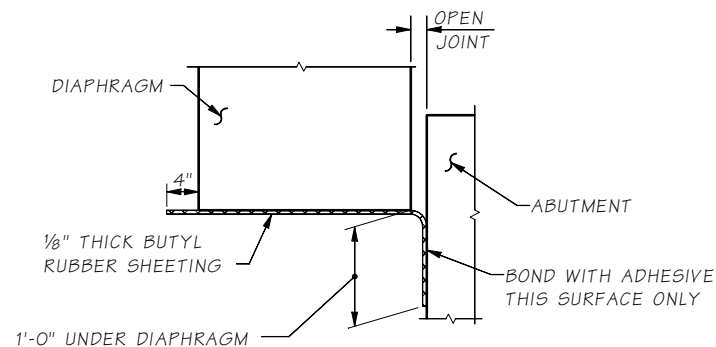


#### # NOTE TO DESIGNER

If ground line is less than 2'-0" minimum below the bottom of girder at front face of abutment a curtain wall shall be provided.

### TYPICAL END TYPE "A" DIAPHRAGM AT END PIERS

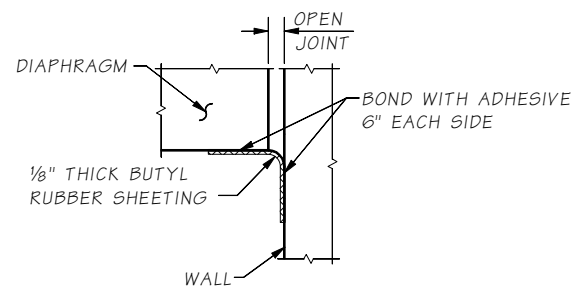


#### ELEVATION

### BUTYL RUBBER @ DIAPHRAGM

#### NOTE:

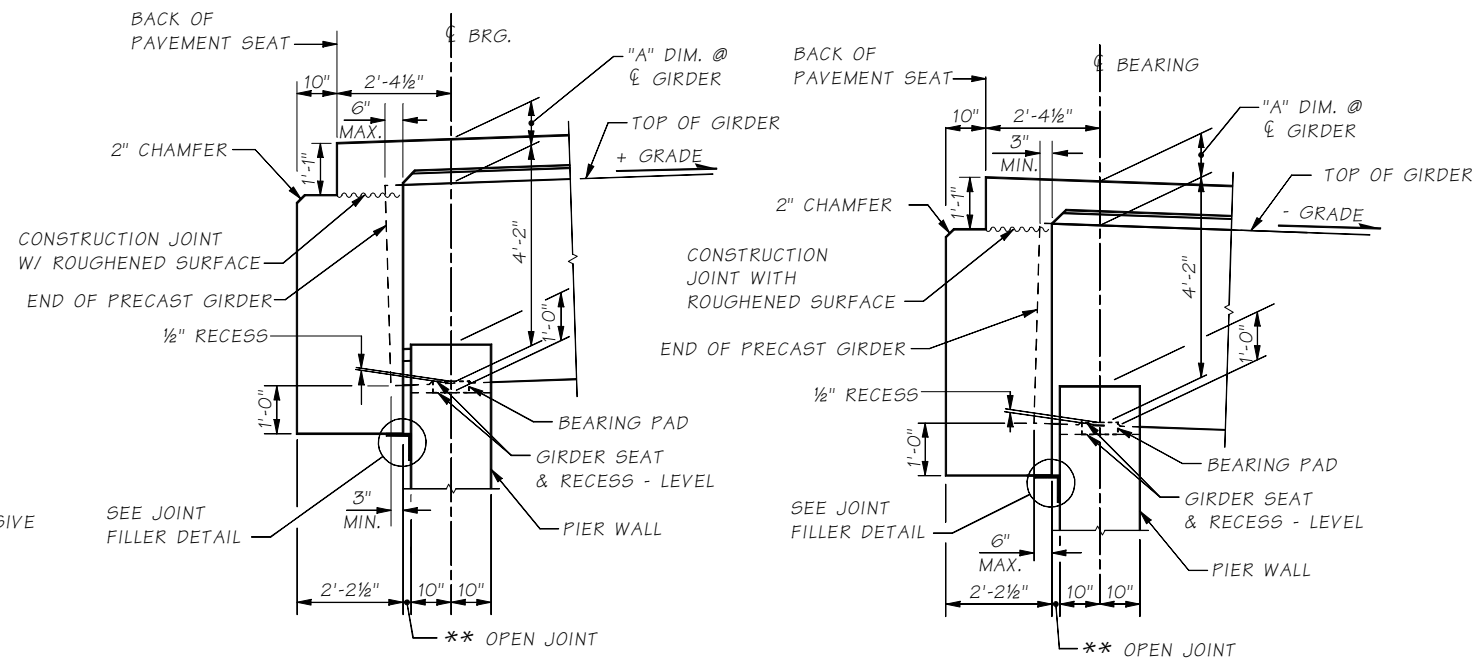
- GIRDERS SHALL BE HELD RIGIDLY IN PLACE WHEN DIAPHRAGMS ARE PLACED.
- REINFORCING BAR SHALL BE THREADED THROUGH HOLES IN GIRDERS PRIOR TO PLACING OF EXTERIOR GIRDERS. SEE PLANS FOR "TRAFFIC BARRIER" DIMENSIONS AND LOCATION. SEE "GIRDER DETAILS" SHEET FOR DIMENSION "A".



#### PLAN VIEW

### BUTYL RUBBER @ VERTICAL JOINTS

- END DIAPHRAGM MAY BE CAST ON GRADE. IF SO, THE UPPER LEG OF THE JOINT FILLER SHALL FORM THE BOTTOM FACE FULL WIDTH.
- JOINT FILLER TYPE 1 SHALL BE USED TO COVER ALL VERTICAL END DIAPHRAGM JOINTS. EITHER JOINT FILLER TYPE 1 OR JOINT FILLER TYPE 2 SHALL BE USED TO COVER ALL HORIZONTAL END DIAPHRAGM JOINTS.



### END DIAPHRAGM GEOMETRY

SECTIONS THROUGH END DIAPHRAGMS AT END PIERS  
SEE "GIRDER DETAILS" SHEET FOR DIMENSION "A".  
ALL LONGITUDINAL DIMENSIONS ARE NORMAL TO SKEW.

#### BRIDGE LENGTH

L ≤ 200  
200 < L ≤ 300  
300 < L ≤ 400  
L > 400

#### JOINT

\*\* = 1.5 IN.  
\*\* = 2.0 IN.  
\*\* = 2.5 IN.  
SPECIAL DESIGN

Bridge Design Engr.	M:\STANDARDS\Girders\PT Trapezoidal Tube\PT_TUB_END_DIA.MAN	REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor		10	WASH.			
Designed By						
Checked By						
Detailed By						
Bridge Projects Engr.						
Prelim. Plan By						
Architect/Specialist	DATE	REVISION	BY	APPD		

BRIDGE  
AND  
STRUCTURES  
OFFICE



Washington State  
Department of Transportation

STANDARD  
PRESTRESSED CONCRETE GIRDERS

TUB SPLICED GIRDER  
END DIAPHRAGM ON GIRDER DETAILS

BRIDGE SHEET NO.
SHEET
OF
SHEETS